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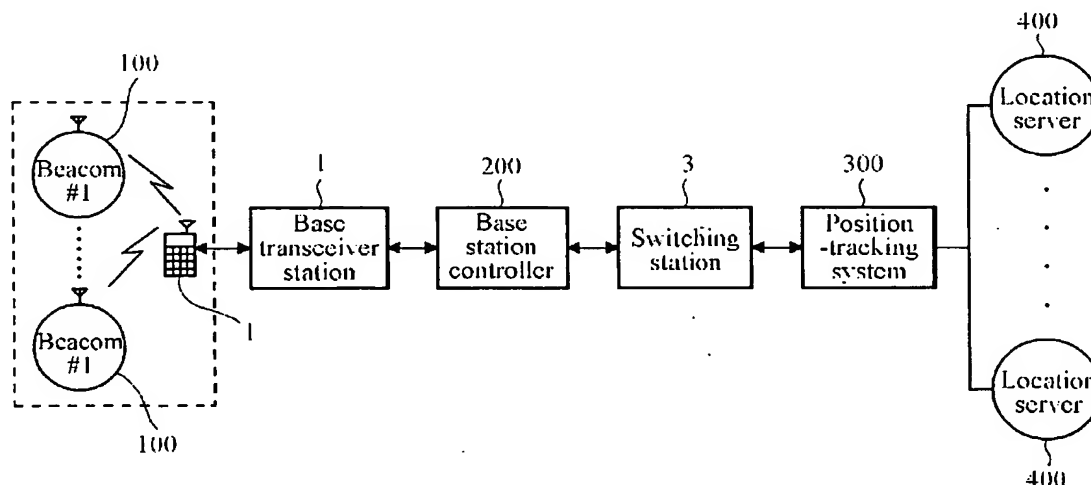
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(54) Title: SYSTEM AND METHOD FOR TRACKING POSITION OF A MOBILE UNIT USING BEACONS IN A MOBILE COMMUNICATION SYSTEM



(57) Abstract: The present invention relates to a device for tracking the position of a mobile unit in a mobile communication system by using beacons, wherein each beacon has its own sub-coverage in the cell coverage of a base transceiver station (BTS). The present invention resolves the problems of the conventional network-based or handset-based position tracking methods. By using beacon information included in a Pilot Strength Measurement Message (PSMM) signal, the present invention increases the accuracy of position tracking to thereby improve the quality of supplemental services in the mobile communication system.